

Date: 21st July 2021

Technical Data Sheet

Version: 02

| Product Name | |
|-------------------|---|
| Full Product Name | Series 200 - Equipment Enamel |
| Type of Product | 1K fast drying alkyd enamel |
| Description | Concept 200 Series QD Enamel, offering a large range of colour formulations, is a fast drying equipment enamel that produces a high gloss paint film. It is characterised by excellent adhesion to most surfaces and provides very good metal protection. |

| Products | | | | | | |
|-----------------------|-----------------|-----------------|----------------------------|------|-----------------------|------|
| Product Name | Volume Solids % | Weight Solids % | Density g/mL lbs/US gal | | VOC g/L lbs/US gal | |
| 211 QD Adjuster Clear | 49.4 | 56.3 | 0.994 | 8.30 | 434.0 | 3.62 |
| 212 QD White | 47.0 | 59.9 | 1.124 | 9.38 | 450.4 | 3.76 |
| 213 QD Yellow Ochre | 49.3 | 59.2 | 1.074 | 8.96 | 438.0 | 3.66 |
| 214 QD Tinting Black | 47.9 | 53.6 | 0.959 | 8.00 | 444.9 | 3.71 |
| 215 QD Red Blue | 50.2 | 55.0 | 0.994 | 8.30 | 447.4 | 3.73 |
| 216 QD Mid Blue | 48.4 | 54.2 | 0.975 | 8.14 | 447.0 | 3.73 |
| 217 QD Violet | 46.6 | 52.1 | 0.962 | 8.03 | 461.0 | 3.85 |
| 219 QD Bright Red | 47.3 | 53.0 | 0.970 | 8.10 | 456.4 | 3.81 |
| 220 QD Maroon | 46.9 | 52.7 | 0.960 | 8.01 | 454.1 | 3.79 |
| 221 QD Lemon Yellow | 41.1 | 47.1 | 0.954 | 7.96 | 504.3 | 4.21 |
| 222 QD Mid Yellow | 41.4 | 48.2 | 0.990 | 8.26 | 506.8 | 4.23 |
| 223 QD Moly Orange | 41.5 | 47.4 | 0.946 | 7.89 | 496.9 | 4.15 |
| 224 QD Green | 50.6 | 56.0 | 1.002 | 8.36 | 441.0 | 3.68 |
| 225 QD Matting Agent | 35.9 | 43.2 | 1.094 | 9.13 | 621.5 | 5.19 |
| 226 QD Silver | 43.5 | 50.3 | 0.960 | 8.01 | 476.6 | 3.98 |
| 227 QD Red Oxide | 45.7 | 53.1 | 0.987 | 8.24 | 463.3 | 3.87 |
| 230 QD Drier | 0.5 | 0.8 | 0.832 | 6.94 | 825.6 | 6.89 |
| 302 Enamel Hardener | 46.4 | 53.1 | 1.020 | 8.52 | 475.8 | 3.97 |
| 804 Enamel Thinner | 0.0 | 0.0 | 0.802 | 6.69 | 0.802 | 6.69 |

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Properties

- Superior performance
- High gloss
- Quick and easy application

Substrates

- Concept 109 Enamel Primer
- Concept 113 ZP Primer and 116 ZP Primer (HB)
- Concept 103 Etch Primer
- Concept 110 Metal Etch
- Concept 111 Universal Primer
- Substrates in sound condition previously painted with enamel coating

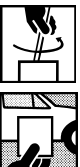
Substrate Preparation



All substrates

- All surfaces must be thoroughly sanded and cleaned with Concept Wax & Grease Remover prior to application.
- Use white or light coloured primers under bright yellows, oranges and reds, if required.

Product Preparation












- Weigh the concentrates into the required base in accordance with the relevant colour formula
- Stir or shake for 10 minutes, minimum.
- Never leave the mixture stand for more than 30 minutes before mixing.

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Product Preparation cont



| | | | | | |
|---|---|---|--|--|-----------------------|
|  | Matting (if required) | Satin Finish: Add 30% of 225 Matting Agent. Matt Finish: Add 45% of 225 Matting Agent. Notes: <ul style="list-style-type: none">• Never add more than 50% of 225 Matting Agent.• 225 Matting Agent must be added before adding a hardener or thinner.• The addition of 225 Matting Agent will reduce coverage. | | | |
|  | Mixing Ratio 16:1 (by volume) Note: This step is optional | Concept Series 200 Equipment Enamel | | Concept 302 Enamel Hardener | |
| | | 16 parts | | 1 part | |
|  | Reducer | Up to 20% (v/v) Concept 804 Enamel Thinner, if required. 5-10% Concept 810 Retarder Thinner, if required (to minimize blooming) | | | |
|  | Pot life @ 25°C (77°F) | N/A (3-4 hours if 302 Enamel Hardener is added) | | | |
|  | Spray viscosity @ 25°C (77°F) | BSB 4 Cup Ford 4 Cup | 16-19 s 14-17 s | | |
|    | Spray equipment | Gun type | Fluid tip | Spray pressure | Spray Distance |
| | | Gravity Feed | 1.5-2.0 mm 0.059-0.079" | 200-240 kPa 2.0-2.4 bar 30-35 psi | 15-20 cm 6-8 inch |
| | | Suction feed | 1.5-2.0 mm 0.059-0.079" | 200-240 kPa 2.0-2.4 bar 30-35 psi | 15-20 cm 6-8 inch |
| | | Airless, Air Assisted, Electrostatic | Consult the manufacturer's instructions. | | |
| | | Number of coats | 2 - 3 | Apply one light coat followed by one even full coat. Avoid heavy wet coats | |
|  | DFT Recommended | 40-50 µm 1.6-2.0 mils | | | |

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
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Product Preparation cont

| | | | |
|--|--|---------------------------------|-----------|
|  | Flash off time @ 25°C (77°F) | 5 min between coats | |
|  | Drying | Air Dry @ 25°C (77°F) | 4-5 hours |
| This data relates only to the material designated herein and does not apply to use in combination with any other material or any process. The data is not to be considered as a warranty or quality specification and we assume no liability in connection with its use. | | | |

Remarks

| | |
|---|--|
|  | Stir all products thoroughly each time before use. Stir the mixture well after the weigh-out of the components. |
|  | Before application a colour comparison is recommended |
|  | Surface temperature must always be a minimum of 3°C (5°F) above dew point. |

Equipment Cleaning

Use recommended Concept Paints 035 Gunwash

Dry Film Properties

After 7 days drying,
when compared to similar technology products.

| | |
|-------------------------|-----------|
| Gloss | High |
| Adhesion | Excellent |
| Metal Protection | Very good |

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Product Data

| | |
|-----------------------------|---|
| Theoretical Coverage | Approx. 6.0 m ² /L (245 ft ² /US gal) @ recommended DFT |
| Shelf Life | 36 months in an unopened container at room temperature away from sunlight. |

Product Packaging

| Product Code | Product Name | Package Size |
|---------------|---------------------|-------------------------|
| IN62002XXXXX | Series 200 Tinters | 4L, 20L (212, 214, 222) |
| IN62002250004 | 225 Matting Agent | 4L |
| IN620023000XX | 230 Drier | 4L, 20L |
| IN302920000XX | 302 Enamel Hardener | 250mL, 500mL |
| IN8049200000X | 804 Enamel Thinner | 1L, 4L, 20L |

Safety

For automotive and industrial use only by professional painters. Not recommended for sale to, or use by the general public. Before using, read and follow all label and Safety Data Sheet (SDS) precautions. If mixed with other components, the mixture will have hazards of all individual components.

Read and understand the Guidelines for the Safe Handling and Use of Isocyanate Containing Paints, including the use of approved respiratory protection and Personal Protective Equipment. Use only in a well-ventilated approved spray booth, according to local regulations.

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This Technical Data Sheet supersedes all previous issues.

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